

Title (en)  
Spindle for producing a yarn.

Title (de)  
Spindel zum Herstellen eines Fadens.

Title (fr)  
Broche pour produire un fil.

Publication  
**EP 0448949 B1 19941228 (DE)**

Application  
**EP 91102232 A 19910218**

Priority  
DE 4010017 A 19900329

Abstract (en)  
[origin: EP0448949A2] A spindle for producing a yarn is characterised in that there is arranged in the region of at least one of the two deflection points a tube which is coaxial relative to the hollow shank of the spindle and is displaceable in the axial direction and which is provided with at least one lateral orifice, and in that, on the one hand, a tube-actuating element and, on the other hand, an adjusting device for the member influencing the mode of operation of the spindle and/or the yarn run engages on the tube.

IPC 1-7  
**D01H 7/04**; **D01H 7/88**; **D01H 13/10**

IPC 8 full level  
**D01H 1/10** (2006.01); **D01H 7/04** (2006.01); **D01H 7/86** (2006.01); **D01H 7/88** (2006.01); **D01H 13/10** (2006.01)

CPC (source: EP US)  
**D01H 7/04** (2013.01 - EP US); **D01H 7/88** (2013.01 - EP US); **D01H 13/106** (2013.01 - EP US); **D02G 3/285** (2013.01 - EP US)

Cited by  
EP0620301A1; FR2739400A1

Designated contracting state (EPC)  
ES FR GB IT

DOCDB simple family (publication)  
**EP 0448949 A2 19911002**; **EP 0448949 A3 19911127**; **EP 0448949 B1 19941228**; CS 9100746 A2 19911112; CZ 279949 B6 19950913; DE 4010017 A1 19911002; DE 4010017 C2 19940414; ES 2066242 T3 19950301; JP 2994477 B2 19991227; JP H04214427 A 19920805; US 5150566 A 19920929

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**EP 91102232 A 19910218**; CS 74691 A 19910320; DE 4010017 A 19900329; ES 91102232 T 19910218; JP 5522091 A 19910320; US 67467691 A 19910325